

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/JP2005/001047

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl' G02F 1/1343, G02F1/1337

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl' G02F 1/1343, G02F1/1337

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2005, Japanese Registered Utility Model Gazette 1994-2005, Japanese Gazette Containing the Utility Model 1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 9-105908 A (HITACHI LTD) 1997.04.22, paragraph [0386]-[0400], Figs. 47-49 & US 6266116 B1 & TW 454101 B	1-12, 16, 21 13-15, 18-20, 22-24
X	JP 2001-337338 A (MATSUSHITA ELECTRIC IND CO LTD) 2001.12.07, paragraph [0288]-[0344], Figs. 41-47 & WO 01/25843 A1 & EP 1229378 A1 & US 6801293 B1 & KR 2002/035625 A & CN 1378657 A	1-12, 16, 21 13-15, 18-20, 22-24
X	JP 9-274203 A (FURONTEC INC) 1997.10.21, full text, all drawings & US 6052163 A & KR 97/071099 A	1-12, 16, 21 13-15, 18-20, 22-24
X	JP 11-194353 A (NEC CORP) 1999.07.21, full text, all drawings & US 6259503 B1 & KR 99/063563 A & TW 473635 A	1-12, 17, 21 13-15, 18-20, 22-24



Further documents are listed in the continuation of Box C.



See patent family annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

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"P" document published prior to the international filing date but later than the priority date claimed

Date of the actual completion of the international search

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